

Sheet 1 of 1

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DKT. NO.

500.30802CC4

SERIAL NO.

10/623,160

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

APPLICANT

Atsushi TAKAI et al.

FILING DATE

21 July 2003

GROUP

2613

Unassigned

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
DS	AA	4,989,199	01/91	Rzeszewski	—	—	—
	AB	5,321,540	06/94	Takai et al.	—	—	—
	AC	5,510,921	04/96	Takai et al.	—	—	—
	AD	6,194,977	03/93	Nishio	—	—	—
	AE	4,642,804	02/87	Personick	—	—	—
	AF	5,136,411	08/92	Paik et al.	—	—	—
	AG	4,949,170	08/90	Yanagidaira et al.	—	—	—
	AH	5,202,780	04/93	Fussganger	—	—	—
	AI	5,194,977	03/93	Nishio	—	—	—
▼	AJ	4,760,422	07/88	O'Connell et al.	—	—	—
▼	AK	5,005,166	04/91	Suzuki et al.	—	—	—
DS	AL	5,077,727	12/91	Suzuki	—	—	—

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/Abstract	
						Yes	No
DS	AM	58-100562	06/83	JP	—	—	—
	AN	58-066488	04/83	JP	—	—	—
	AO	01-187537	07/89	JP	—	—	—
▼	AP	58-161489	09/83	JP	—	—	—
▼	AQ	02-266725	10/99	JP	—	—	—
DS	AR	63-090232	04/88	JP	—	—	—
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	
AV	
AW	
AX	
AY	
AZ	

Examiner

Date Considered

/Dalzid Singh/ (06/11/2006)